

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/017,327A
Source: JFW16
Date Processed by STIC: 07/29/2005

ENTERED



IFW16

RAW SEQUENCE LISTING DATE: 07/29/2005
PATENT APPLICATION: US/10/017,327A **TIME:** 10:44:43

Input Set : E:\5028.ST25.txt
Output Set: N:\CRF4\07292005\J017327A.raw

3 <110> APPLICANT: Genzyme Corporation
 4 Nicolette, Charles A.
 6 <120> TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS AND METHODS FOR USING
 SAME
 8 <130> FILE REFERENCE: 5028CIP
 10 <140> CURRENT APPLICATION NUMBER: US 10/017,327A
 11 <141> CURRENT FILING DATE: 2001-12-06
 13 <150> PRIOR APPLICATION NUMBER: US 09/870,216
 14 <151> PRIOR FILING DATE: 2001-05-30
 16 <160> NUMBER OF SEQ ID NOS: 12
 18 <170> SOFTWARE: PatentIn version 3.2
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 1280
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Homo sapiens
 25 <400> SEQUENCE: 1

(pg 6)

26 gaaagatggc	gtcccgcaag	gaaggataccg	gctctactgc	caccccttcc	agctccaccc	60
28 ccggcgccgc	aggaaaggc	aaaggcaaaag	gcggctcggg	agattcagcc	gtgaagcaag	120
30 tgcagataga	tggcattgtg	gtattaaaga	taatcaaaca	ttatcaagaa	gaaggacaag	180
32 gaactgaagt	tgttcaagga	gtgctttgg	gtctgggtt	agaagatcgg	cttgaattta	240
34 ccaactgctt	tcctttccct	cagcacacag	aggatgatgc	tgactttgat	gaagtccaaat	300
36 atcagatgga	aatgatgcgg	agccttcgcc	atgtaaacat	tgatcatctt	cacgtggct	360
38 ggtatacgtc	cacatactat	ggctcattcg	ttacccggc	actcctggac	tctcagttt	420
40 gttaccagca	tgccattgaa	gaatctgtcg	ttctcattt	tgatcccata	aaaactgc	480
42 aaggatctct	ctcactaaag	gcatacagac	tgactcctaa	actgatggaa	gtttgtaaag	540
44 aaaaggattt	ttccccctgaa	gcattaaaaa	aagcaaataat	caccttgag	tacatgttt	600
46 aagaagtgcc	gattgtattt	aaaaattcac	atctgatcaa	tgtccataatg	tgggaacttg	660
48 aaaagaagtc	agctgttgc	gataaacatg	aattgctcag	ccttgccagc	agcaatcatt	720
50 tggggaaagaa	tctacagttt	ctgatggaca	gagtggatg	aatgagccaa	gatatagtt	780
52 aataacaacac	atacatgagg	aataactagta	aacaacagca	gcagaaaacat	cagtatcagc	840
54 agcgtogcca	gcaggagaat	atgcagcgc	agagccgagg	agaacccccc	ctccctgagg	900
56 aggacctgtc	caaactcttc	aaaccaccac	agccgcctgc	caggatggac	tcgctgctca	960
58 ttgcaggcca	gataaacact	tactgccaga	acatcaagga	gttcactgcc	caaaactttag	1020
60 gcaagctt	catggcccaag	gtcttc	aaatacaacaa	ctaagaaaaag	gaagtttcca	1080
62 gaaaagaagt	taacatgaac	tcttgaagtc	acaccaggc	aactcttgg	agaaatataat	1140
64 ttgcatttttgc	aaaagcacag	aggattctt	tagtgcatt	gccgatttt	gctataacag	1200
66 tgtctttctt	gccataataaa	aataaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1260
68 aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1280
71 <210>	SEQ ID NO: 2					
72 <211>	LENGTH: 352					
73 <212>	TYPE: PRT					
74 <213>	ORGANISM: Homo sapiens					
76 <400>	SEQUENCE: 2					
78 Met Ala Ser Arg Lys Glu Gly Thr Gly Ser Thr Ala Thr Ser Ser Ser						

file:///C:/CRF4/Outhold/VsrJ017327A.htm

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79 1 5 10 15
 82 Ser Thr Ala Gly Ala Ala Gly Lys Gly Lys Gly Lys Gly Ser Gly
 83 20 25 30
 86 Asp Ser Ala Val Lys Gln Val Gln Ile Asp Gly Leu Val Val Leu Lys
 87 35 40 45
 90 Ile Ile Lys His Tyr Gln Glu Glu Gly Gln Gly Thr Glu Val Val Gln
 91 50 55 60
 94 Gly Val Leu Leu Gly Leu Val Val Glu Asp Arg Leu Glu Ile Thr Asn
 95 65 70 75 80
 98 Cys Phe Pro Phe Pro Gln His Thr Glu Asp Asp Ala Asp Phe Asp Glu
 99 85 90 95
 102 Val Gln Tyr Gln Met Glu Met Met Arg Ser Leu Arg His Val Asn Ile
 103 100 105 110
 106 Asp His Leu His Val Gly Trp Tyr Gln Ser Thr Tyr Tyr Gly Ser Phe
 107 115 120 125
 110 Val Thr Arg Ala Leu Leu Asp Ser Gln Phe Ser Tyr Gln His Ala Ile
 111 130 135 140
 114 Glu Glu Ser Val Val Leu Ile Tyr Asp Pro Ile Lys Thr Ala Gln Gly
 115 145 150 155 160
 118 Ser Leu Ser Leu Lys Ala Tyr Arg Leu Thr Pro Lys Leu Met Glu Val
 119 165 170 175
 122 Cys Lys Glu Lys Asp Phe Ser Pro Glu Ala Leu Lys Lys Ala Asn Ile
 123 180 185 190
 126 Thr Phe Glu Tyr Met Phe Glu Glu Val Pro Ile Val Ile Lys Asn Ser
 127 195 200 205
 130 His Leu Ile Asn Val Leu Met Trp Glu Leu Glu Lys Lys Ser Ala Val
 131 210 215 220
 134 Ala Asp Lys His Glu Leu Leu Ser Leu Ala Ser Ser Asn His Leu Gly
 135 225 230 235 240
 138 Lys Asn Leu Gln Leu Leu Met Asp Arg Val Asp Glu Met Ser Gln Asp
 139 245 250 255
 142 Ile Val Lys Tyr Asn Thr Tyr Met Arg Asn Thr Ser Lys Gln Gln Gln
 143 260 265 270
 146 Gln Lys His Gln Tyr Gln Gln Arg Arg Gln Gln Glu Asn Met Gln Arg
 147 275 280 285
 150 Gln Ser Arg Gly Glu Pro Pro Leu Pro Glu Glu Asp Leu Ser Lys Leu
 151 290 295 300
 154 Phe Lys Pro Pro Gln Pro Pro Ala Arg Met Asp Ser Leu Leu Ile Ala
 155 305 310 315 320
 158 Gly Gln Ile Asn Thr Tyr Cys Gln Asn Ile Lys Glu Phe Thr Ala Gln
 159 325 330 335
 162 Asn Leu Gly Lys Leu Phe Met Ala Gln Ala Leu Gln Glu Tyr Asn Asn
 163 340 345 350
 166 <210> SEQ ID NO: 3
 167 <211> LENGTH: 9
 168 <212> TYPE: PRT
 169 <213> ORGANISM: Artificial
 171 <220> FEATURE:
 172 <223> OTHER INFORMATION: Compound 1

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174 <400> SEQUENCE: 3
176 Phe Leu Gln Leu Leu Met Glu Pro Val
177 1 5
180 <210> SEQ ID NO: 4
181 <211> LENGTH: 27
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Compound 1
189 <220> FEATURE:
190 <221> NAME/KEY: misc_feature
191 <222> LOCATION: (6)..(6)
192 <223> OTHER INFORMATION: n = A,T,C, or G
194 <220> FEATURE:
195 <221> NAME/KEY: misc_feature
196 <222> LOCATION: (10)..(10)
197 <223> OTHER INFORMATION: n = A,T,C, or G
199 <220> FEATURE:
200 <221> NAME/KEY: misc_feature
201 <222> LOCATION: (12)..(12)
202 <223> OTHER INFORMATION: n = A,T,C, or G
204 <220> FEATURE:
205 <221> NAME/KEY: misc_feature
206 <222> LOCATION: (13)..(13)
207 <223> OTHER INFORMATION: n = A,T,C, or G
209 <220> FEATURE:
210 <221> NAME/KEY: misc_feature
211 <222> LOCATION: (15)..(15)
212 <223> OTHER INFORMATION: n = A,T,C, or G
214 <220> FEATURE:
215 <221> NAME/KEY: misc_feature
216 <222> LOCATION: (24)..(24)
217 <223> OTHER INFORMATION: n = A,T,C, or G
219 <220> FEATURE:
220 <221> NAME/KEY: misc_feature
221 <222> LOCATION: (27)..(27)
222 <223> OTHER INFORMATION: n = A,T,C, or G
224 <400> SEQUENCE: 4
W--> 225 tyytncarn tnntnatgga rccngtn 27
228 <210> SEQ ID NO: 5
229 <211> LENGTH: 9
230 <212> TYPE: PRT
231 <213> ORGANISM: Artificial
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Compound 2
236 <400> SEQUENCE: 5
238 Phe Leu Gln Leu Glu Phe Asp Ala Val
239 1 5
242 <210> SEQ ID NO: 6

RAW SEQUENCE LISTING
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Input Set : E:\5028.ST25.txt
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243 <211> LENGTH: 27
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Compound 2
251 <220> FEATURE:
252 <221> NAME/KEY: misc_feature
253 <222> LOCATION: (6)..(6)
254 <223> OTHER INFORMATION: n = A,T,C, or G
256 <220> FEATURE:
257 <221> NAME/KEY: misc_feature
258 <222> LOCATION: (10)..(10)
259 <223> OTHER INFORMATION: n = A,T,C, or G
261 <220> FEATURE:
262 <221> NAME/KEY: misc_feature
263 <222> LOCATION: (12)..(12)
264 <223> OTHER INFORMATION: n = A,T,C, or G
266 <220> FEATURE:
267 <221> NAME/KEY: misc_feature
268 <222> LOCATION: (24)..(24)
269 <223> OTHER INFORMATION: n = A,T,C, or G
271 <220> FEATURE:
272 <221> NAME/KEY: misc_feature
273 <222> LOCATION: (27)..(27)
274 <223> OTHER INFORMATION: n = A,T,C, or G
276 <400> SEQUENCE: 6

W--> 277 tyytncarn tngarttyga ygcngrn 27

280 <210> SEQ ID NO: 7
281 <211> LENGTH: 9
282 <212> TYPE: PRT
283 <213> ORGANISM: Artificial
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Compound 3
288 <400> SEQUENCE: 7
290 Phe Leu Trp Phe Glu Ile Asp Ile Val
291 1 5
294 <210> SEQ ID NO: 8
295 <211> LENGTH: 27
296 <212> TYPE: DNA
297 <213> ORGANISM: Artificial
299 <220> FEATURE:
300 <223> OTHER INFORMATION: Compound 3
303 <220> FEATURE:
304 <221> NAME/KEY: misc_feature
305 <222> LOCATION: (6)..(6)
306 <223> OTHER INFORMATION: n = A,T,C, or G
308 <220> FEATURE:
309 <221> NAME/KEY: misc_feature
310 <222> LOCATION: (27)..(27)

RAW SEQUENCE LISTING
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Input Set : E:\5028.ST25.txt
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311 <223> OTHER INFORMATION: n = A,T,C, or G
313 <400> SEQUENCE: 8
W--> 314 tttytntggt tygarathga yathgtn 27
317 <210> SEQ ID NO: 9
318 <211> LENGTH: 9
319 <212> TYPE: PRT
320 <213> ORGANISM: Artificial
322 <220> FEATURE:
323 <223> OTHER INFORMATION: Compound 4
325 <400> SEQUENCE: 9
327 Phe Leu Ser Tyr Asp Leu Phe Val Val
328 1 5
331 <210> SEQ ID NO: 10
332 <211> LENGTH: 27
333 <212> TYPE: DNA
334 <213> ORGANISM: Artificial
336 <220> FEATURE:
337 <223> OTHER INFORMATION: Compound 4
340 <220> FEATURE:
341 <221> NAME/KEY: misc_feature
342 <222> LOCATION: (6)..(6)
343 <223> OTHER INFORMATION: n = A,T,C, or G
345 <220> FEATURE:
346 <221> NAME/KEY: misc_feature
347 <222> LOCATION: (9)..(9)
348 <223> OTHER INFORMATION: n = A,T,C, or G
350 <220> FEATURE:
351 <221> NAME/KEY: misc_feature
352 <222> LOCATION: (18)..(18)
353 <223> OTHER INFORMATION: n = A,T,C, or G
355 <220> FEATURE:
356 <221> NAME/KEY: misc_feature
357 <222> LOCATION: (24)..(24)
358 <223> OTHER INFORMATION: n = A,T,C, or G
360 <220> FEATURE:
361 <221> NAME/KEY: misc_feature
362 <222> LOCATION: (27)..(27)
363 <223> OTHER INFORMATION: n = A,T,C, or G
365 <400> SEQUENCE: 10
W--> 366 tttytnwsnt ayygaytntt ygtngtn 27
369 <210> SEQ ID NO: 11
370 <211> LENGTH: 9
371 <212> TYPE: PRT
372 <213> ORGANISM: Homo sapiens
374 <400> SEQUENCE: 11
376 Asn Leu Gln Leu Leu Met Asp Arg Val
377 1 5
380 <210> SEQ ID NO: 12
381 <211> LENGTH: 27

RAW SEQUENCE LISTING ERROR SUMMARY **DATE:** 07/29/2005
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 6,10,12,13,15,24,27
Seq#:6; N Pos. 6,10,12,24,27
Seq#:8; N Pos. 6,21
Seq#:10; N Pos. 6,9,18,24,27
Seq#:12; N Pos. 24,27

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,5,6,7,8,9,10

VERIFICATION SUMMARYPATENT APPLICATION: **US/10/017,327A**

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Input Set : **E:\5028.ST25.txt**Output Set: **N:\CRF4\07292005\J017327A.raw**

L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0